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**AU4687601A** ☐ **20011023****Title:** (ENG) Remedies**Application Number:** AU 4687601 D**Application (Filing) Date:** 20010410**Priority Data:** JP 2000108602 20000410 A X; JP 2000308522 20001006 A X; JP 2001019167 20010126 A X; JP 0103074 20010410 W V;**Inventor(s):** OHNOGI HIROMU ; SHIRAGA MASAHIRO ; KOBAYASHI EIJI ; NISHIMURA KAORI ; LI TUO-PING ; SAGAWA HIROAKI ; KATO IKUNOSHIN**Assignee/Applicant/Grantee:** TAKARA SHUZO CO**Original IPC (1-7):** A61K03578; A61K031216; A61K0317048; A61K031192; A61K03112; A61P04300; A61P02500; A23L00200; A23L00130; A23K00116**Other Abstracts for Family Members:** CHEMABS135(22)317855S; DERABS C2001-663013**Legal Status:** There is no Legal Status information available for this patent

[no drawing available]

**CN1422159A** ☐ **20030604****Title:** (ENG) Remedies**Application Number:** CN 01807898 A**Application (Filing) Date:** 20010410**Priority Data:** JP 2000108602 20000410 A ; JP 2000308522 20001006 A ; JP 2001019167 20010126 A ;**Inventor(s):** HIROMU OHNOGI JP ; MASAHIRO SHIRAGA JP ; EIJI KOBAYASHI JP**Assignee/Applicant/Grantee:** TAKARA SHUZO CO JP**Last Modification Date:** 20050315**Original IPC (1-7):** A61K03578; A61K031216; A61K0317048; A61K031192; A61K03112; A61P04300; A61P02500; A23L00200; A23L00130**Legal Status:** There is no Legal Status information available for this patent**EPO Register****EP1277473A1** ☐ **20030122** [FullText](#)**Title:** (ENG) REMEDIES**Abstract:** (ENG)

The present invention provides a composition for enhancing growth factor production, comprising a plant-derived enhancer for growth factor production; a therapeutic agent or prophylactic agent for a disease requiring enhancement of growth factor production and a food, beverage or feed for enhancing growth factor production, each comprising the above composition. In addition, the present invention relates to a functional food, beverage or feed excellent in health enhancement.

**Application Number:** EP 01919858 A**Application (Filing) Date:** 20010410**Priority Data:** JP 0103074 20010410 W W; JP 2000108602 20000410 A ; JP 2000308522 20001006 A ; JP 2001019167 20010126 A ;

**Inventor(s):** OHNOGI HIROMU JP ; SHIRAGA MASAHIRO JP ; KOBAYASHI EIJI JP ; NISHIMURA KAORI JP ; LI TUO-PING JP ; SAGAWA HIROAKI JP ; KATO IKUNOSHIN JP

**Assignee/Applicant/Grantee:** TAKARA BIO INC JP

**Last Modification Date:** 20060103

**Original IPC (1-7):** A61K03578; A61K031216; A61K0317048; A61K031192; A61K03112; A61P04300; A61P02500; A23L00200; A23L00130; A23K00116

**ECLA (European Class):** A23L00130B; A23L00202; A61K03578; C12G00306

**Designated Countries:**

- Designated States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

**Publication Language:** ENG

**Agent(s):** Vossius & Partner 00100314 Siebertstrasse 4 81675Muenchen DE

**Non-Patent Citations:**

- See references of WO 0176614A1

**Legal Status:**

Date +/-CodeDescription

20030122(+ )17P REQUEST FOR EXAMINATION FILED Effective date: 20021111;

20030122(+ )AK DESIGNATED CONTRACTING STATES: Kind code of corresponding patent document: A1; AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

20030122(+ )AX EXTENSION OF THE EUROPEAN PATENT TO : AL;LT;LV;MK;RO;SI;

20030409 RIN1INVENTOR (CORRECTION) Inventor name: KATO, IKUNOSHIN;

20030409 RIN1INVENTOR (CORRECTION) Inventor name: KOBAYASHI, EIJI;

20030409 RIN1INVENTOR (CORRECTION) Inventor name: LI, TUO-PING/O CENTRAL RESEARCH LABORATORIES;

20030409 RIN1INVENTOR (CORRECTION) Inventor name: NISHIMURA, KAORI;

20030409 RIN1INVENTOR (CORRECTION) Inventor name: OHNOGI, HIROMU;

20030409 RIN1INVENTOR (CORRECTION) Inventor name: SAGAWA, HIROAKI;

20030409 RIN1INVENTOR (CORRECTION) Inventor name: SHIRAGA, MASAHIRO;

20051228(+ )A4 SUPPLEMENTARY SEARCH REPORT Effective date: 20051114;

**Additional Information:**

- Date of request for examination 20021111
- Patent bulletin/ gazette information 20051228 200552
- Date of drawing up and dispatch of supp. search report(A4) 20051114
- Figure number on first (title) page, abstract drawing NONE
- PCT application data JP2001003074 20010410 JPN
- PCT publication data WO2001076614 20011018 200142



**EP1277473A4** ☐ **20051228** FullText

**Title:** (ENG) REMEDIES

**Abstract:** (ENG)

The present invention provides a composition for enhancing growth factor production, comprising a plant- derived enhancer for growth factor production; a therapeutic agent or prophylactic agent for a disease requiring enhancement of growth factor production and a food, beverage or feed for enhancing growth factor production, each comprising the above composition. In addition, the present invention relates to a functional food, beverage or feed excellent in health enhancement.

**Application Number:** EP 01919858 A

**Application (Filing) Date:** 20010410

**Priority Data:** JP 0103074 20010410 W W; JP 2000108602 20000410 A ; JP 2000308522 20001006 A ; JP 2001019167 20010126 A ;

**Inventor(s):** OHNOGI HIROMU JP ; SHIRAGA MASAHIRO JP ; KOBAYASHI EIJI JP ; NISHIMURA KAORI JP ; LI TUO-PING JP ; SAGAWA HIROAKI JP ; KATO IKUNOSHIN JP

**Assignee/Applicant/Grantee:** TAKARA BIO INC JP

**Last Modification Date:** 20060103

**Original IPC (1-7):** A61K03578; A23K00116; A23L00130; A23L00200; A61K03112; A61K031192; A61K031216; A61K0317048; A61P02500; A61P04300

Current IPC-R	invention	version	additional	version
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Advanced	A23K00116	20060101		
	A23L00130	20060101		
	A23L00202	20060101		
	A23L00252	20060101		
	A61K03112	20060101		
	A61K031192	20060101		
	A61K031216	20060101		
	A61K0317048	20060101		
	C12G00306	20060101		
Core	A23K00116	20060101		
	A23L00130	20060101		
	A23L00202	20060101		
	A23L00252	20060101		
	A61K03112	20060101		
	A61K031185	20060101		
	A61K03121	20060101		
	A61K0317042	20060101		
	C12G00300	20060101		

**ECLA (European Class):** A23L00130B; A23L00202; A61K03578; C12G00306.

**Designated Countries:**

- Designated States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

**Publication Language:** ENG

**Agent(s):** Vossius & Partner 00100314 Siebertstrasse 4 81675Muenchen DE

**Non-Patent Citations:**

- See references of WO 0176614A1

**Legal Status:**

Date +/- Code Description

20051228(+)A4 SUPPLEMENTARY SEARCH REPORT Effective date: 20051114;

**Additional Information:**

- Date of request for examination 20021111
- Patent bulletin/ gazette information 20051228 200552
- Date of drawing up and dispatch of supp. search report(A4) 20051114
- Figure number on first (title) page, abstract drawing NONE
- PCT application data JP2001003074 20010410 JPN
- PCT publication data WO2001076614 20011018 200142

**US2004002423A1** ☐ **20040101** [FullText](#)

**Title:** (ENG) Remedies

**Abstract:** (ENG)

The present invention provides a composition for enhancing growth factor production, comprising a plant-derived enhancer for growth factor production; a therapeutic agent or prophylactic agent for a disease requiring enhancement of growth factor production and a food, beverage or feed for enhancing growth factor production, each comprising the above composition. In addition, the present invention relates to a functional food, beverage or feed excellent in health enhancement.

**Application Number:** US 25732102 A

**Application (Filing) Date:** 20021010

**Priority Data:** JP 2000108602 20000410 A A; JP 2000308522 20001006 A A; JP 2001019167 20010126 A A; JP 0103074 20010410 W V;

**Inventor(s):** LI TUO-PING CN ; OHNOGI HIROMU JP ; KATO IKUNOSHIN JP ; KOBAYASHI EIJI JP ; NISHIMURA KAORI JP ; SAGAWA HIROAKI JP ; SHIRAGA MASAHIRO JP

**Assignee/Applicant/Grantee:** OHNOGI HIROMU JP; SHIRAGA MASAHIRO JP; LI TUO-PING CN; KOBAYASHI EIJI JP; NISHIMURA KAORI JP; SAGAWA HIROAKI JP; KATO IKUNOSHIN JP

**Last Modification Date:** 20040127

**Original IPC (1-7):** A01N06300; A01N04302; A01N03710; A61K03578

**ECLA (European Class):** A23L00130B; A23L00202; A61K03578; C12G00306

**US Class:** 504117; 504291; 504314; 424725; 424764; 424765; 424750; 424752;

424755; 424756; 424757

**Legal Status:** There is no Legal Status information available for this patent**Assignments Reported to USPTO:**

**Reel/Frame:** 13409/0233 **Date Signed:** 20020918 **Date Recorded:** 20021010

**Assignee:** TAKARA BIO INC. 4-1, SETA 3-CHOME OTSU-SHI SHIGA 520-2193 JAPAN

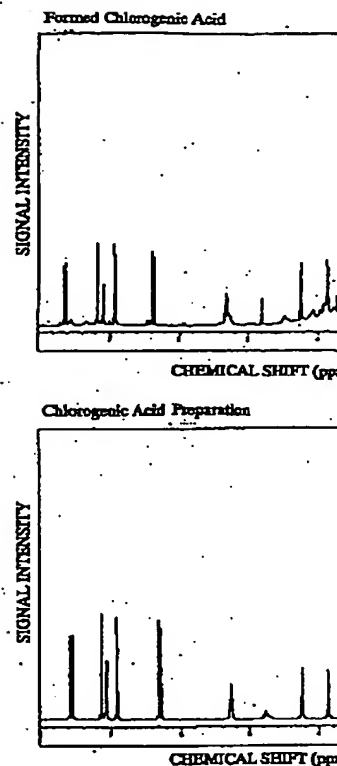
**Assignor:** KATO, IKUNOSHIN; KOBAYASHI, EIJI; LI, TUO-PING; NISHIMURA, KAORI; OHNOGI, HIROMU; SAGAWA, HIROAKI; SHIRAGA, MASAHIRO

**Corres. Addr.:** BIRCH, STEWART, KOLASCH ET AL. MARC S. WEINER P. O. BOX 747 FALLS CHURCH, VA 22040-0747

**Brief:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Additional Information:**

- Figure number on first (title) page, abstract drawing NONE
- Correspondent Address BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH VA 22040-0747 US
- PCT application data PCT/JP01/03074 20010410 WO

**WO2001076614A1** ☐ **20011018** [FullText](#)**Title:** (ENG) REMEDIES**Abstract:** (ENG)

Compositions for potentiating growth factor production which contain a growth factor production potentiator originating in a plant; remedies or preventives for diseases, wherein the production of growth factor should be potentiated, and foods, drinks or feeds for potentiating the production of growth factor each containing the above compositions; and functional foods, drinks or feeds excellent for improving health.

**Application Number:** JP 0103074 W**Application (Filing) Date:** 20010410**Priority Data:** JP 2000108602 20000410 A ; JP 2000308522 20001006 A ; JP 2001019167 20010126 A ;**Inventor(s):** OHNOGI HIROMU JP ; SHIRAGA MASAHIRO JP ; KOBAYASHI EIJI JP ; NISHIMURA KAORI JP ; LI TUO-PING JP ; SAGAWA HIROAKI JP ; KATO IKUNOSHIN JP**Assignee/Applicant/Grantee:** TAKARA SHUZO CO JP; OHNOGI HIROMU JP; SHIRAGA MASAHIRO JP; KOBAYASHI EIJI JP; NISHIMURA KAORI JP; LI TUO PING JP; SAGAWA HIROAKI JP; KATO IKUNOSHIN JP**Last Modification Date:** 20050526**Original IPC (1-7):** A61K03578; A61K031216; A61K0317048; A61K031192; A61K03112; A61P04300; A61P02500; A23L00200; A23L00130; A23K00116**ECLA (European Class):** A23L00130B; A23L00202; A61K03578; C12G00306**Designated Countries:**

- Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
- Regional Treaties: GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

**Publication Language:** JAP**Agent(s):** 弁理士 細田芳徳(HOSODA, Yoshinori) 〒540-0012 大阪府大阪市中央区谷町二丁目8番1号大手前M2ビル 細田国際特許事務所内 Osaka JP**Non-Patent Citations:**

- KIMIHIRO MATSUNAGA ET AL.: 'Enhancement of the nerve growth factor-mediated neurite outgrowth from PC12D cells by Chinese and paraguayanimedicinal plants' BIOL. PHARM. BULL. vol. 22, no. 7, 1999, pages 752 - 755, XP002944831
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- WEI-RAN WU ET AL.: 'Involvement of Monoamine Oxidase Inhibition inNeuroprotective and Neurorestorative Oxidase in Neuroprotective andNeurorestorative Effects of Ginkgo Biloba Extract Against MPTP-InducedNigrostriatal Dopaminergic Toxicity inc57 Mice' LIFE SCIENCES vol. 65, no. 2, 1999, pages 157 - 164,XP002944832
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**Patents Cited:**

- JP4210643 A X 0
- JP5078384 A X 0
- JP2001158745 A X 0
- JP2001055333 A X 0
- WO9809599 A Y 0
- JP9194352 A Y 0

**Legal Status:**

Date +/-Code Description

- 20011018(+ )AK DESIGNATED STATES Kind code of corresponding patent document: A1; AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW.
- 20011018(+ )AL DESIGNATED COUNTRIES FOR REGIONAL PATENTS Kind code of corresponding patent document: A1; GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
- 20011129 DFPERREQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE (PCT APPLICATION FILED BEFORE 20040101).
- 20011212 121 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION
- 20021007 ENP ENTRY INTO THE NATIONAL PHASE IN: : JP; Corresponding patent document: 2001 574130; Kind code of corresponding patent document: A;





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## REMEDIES

**Patent number:** WO0176614  
**Publication date:** 2001-10-18  
**Inventor:** OHNOGI HIROMU (JP); SHIRAGA MASAHIRO (JP); KOBAYASHI EIJI (JP); NISHIMURA KAORI (JP); LI TUO-PING (JP); SAGAWA HIROAKI (JP); KATO IKUNOSHIN (JP)  
**Applicant:** TAKARA SHUZO CO (JP); OHNOGI HIROMU (JP); SHIRAGA MASAHIRO (JP); KOBAYASHI EIJI (JP); NISHIMURA KAORI (JP); LI TUO PING (JP); SAGAWA HIROAKI (JP); KATO IKUNOSHIN (JP)  
**Classification:**  
**- International:** *A23K1/16; A23L1/30; A23L2/02; A23L2/52; A61K31/12; A61K31/192; A61K31/216; A61K31/7048; C12G3/06; A23K1/16; A23L1/30; A23L2/02; A23L2/52; A61K31/12; A61K31/185; A61K31/21; A61K31/7042; C12G3/00; (IPC1-7): A61K35/78; A23K1/16; A23L1/30; A23L2/00; A61K31/12; A61K31/192; A61K31/216; A61K31/7048; A61P25/00; A61P43/00*  
**- european:** A23L1/30B; A23L2/02; A61K35/78; C12G3/06  
**Application number:** WO2001JP03074 20010410  
**Priority number(s):** JP20000108602 20000410; JP20000308522 20001006; JP20010019167 20010126

**Also published as:**

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 US2004002423 (A1)

**Cited documents:**

 JP4210643  
 JP5078384  
 JP2001158745  
 JP2001055333  
 WO9809599  
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**Abstract of WO0176614**

Compositions for potentiating growth factor production which contain a growth factor production potentiator originating in a plant; remedies or preventives for diseases, wherein the production of growth factor should be potentiated, and foods, drinks or feeds for potentiating the production of growth factor each containing the above compositions; and functional foods, drinks or feeds excellent for improving health.

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国際事務局



(43) 国際公開日  
2001 年10 月18 日 (18.10.2001)

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(51) 国際特許分類<sup>7</sup>: A61K 35/78, 31/216, 31/7048, 31/192, 31/12, A61P 43/00, 25/00, A23L 2/00, 1/30, A23K 1/16

(21) 国際出願番号: PCT/JP01/03074

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(71) 出願人 (米国を除く全ての指定国について): 寶酒造株式会社 (TAKARA SHUZO CO., LTD.) [JP/JP]; 〒612-8061 京都府京都市伏見区竹中町609番地 Kyoto (JP).

(72) 発明者: および

(75) 発明者/出願人 (米国についてのみ): 大野木宏 (OHNOGI, Hiromu) [JP/JP]; 〒617-0002 京都府向日市寺戸町茨川16-A-406 Kyoto (JP). 白壁正宏 (SHIRAGA, Masahiro) [JP/JP]; 〒520-2134 滋賀県大津市瀬田2-1-15-103 Shiga (JP). 小林英二 (KOBAYASHI, Eiji) [JP/JP]; 〒520-2153 滋賀県大津市一里山六丁目18-19 Shiga (JP). 西村香織 (NISHIMURA, Kaori) [JP/JP]; 〒520-0853 滋賀県大津市蛸谷1-13-205 Shiga (JP). 李拖平 (LI, Tuo-Ping) [CN/JP]; 〒520-2193 滋賀県大津

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(74) 代理人: 弁理士 細田芳徳 (HOSODA, Yoshinori); 〒540-0012 大阪府大阪市中央区谷町二丁目8番1号 大手前M2ビル 細田国際特許事務所内 Osaka (JP).

(81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

添付公開書類:  
一 国際調査報告書

2 文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: REMEDIES

(54) 発明の名称: 治療剤

(57) Abstract: Compositions for potentiating growth factor production which contain a growth factor production potentiator originating in a plant; remedies or preventives for diseases, wherein the production of growth factor should be potentiated, and foods, drinks or feeds for potentiating the production of growth factor each containing the above compositions; and functional foods, drinks or feeds excellent for improving health.

(57) 要約:

本発明は、植物由来の成長因子産生増強物質を含有する成長因子産生増強用組成物、該組成物を含有する、成長因子産生増強を必要とする疾患の治療剤又は予防剤、成長因子産生増強用の食品、飲料又は飼料を提供する。また、本発明は、健康増強に優れた機能性食品、飲料又は飼料を提供する。

WO 01/76614 A1